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21) International Application Number: PCT/US 22) International Filing Date: 25 February 1999 30) Priority Data: 60/075,948 25 February 1998 (25.02.98) 31) Applicant (for all designated States except US): THE OF REGENTS OF THE UNIVERSITY AND ON NITY COLLEGE SYSTEM OF NEVADA ON THE UNIVERSITY OF NEVADA-RENO [US/versity of Nevada-Reno, Reno, NV 89557 (US). 32) Inventor; and 35) Inventor/Applicant (for US only): ANZIANO, [US/US]; MS360/UNR, University of Nevada Medicine, Reno, NV 89557 (US). 34) Agent: LINDEMAN, Jeffrey, A.; Morgan, Lewis & LLP, 1800 M Street, N.W., Washington, DC 20 (US).	BOAR COMMU behalf (US); Ur	BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, G GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, K KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, M MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, S SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, Z ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, U ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, T TM), European patent (AT, BE, CH, CY, DE, DK, ES, I FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI pate (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, N SN, TD, TG).  Published  With international search report.
4) Title: MANGANESE SUPEROXIDE DISMUTAS ENCODING THE ISOFORMS	SE EXO	N 3-DELETED ISOFORMS AND NUCLEIC ACID MOLECUL
7) Abstract		
A new isoform of manganese superoxide dismutase in SOD E3(-), is a splice variant lacking exon 3 of the fu	ıll length s of the a	D) and polynucleotides encoding it have been identified. This isoform MnSOD. The polypeptide can be expressed using appropriate host celetivity of the polypeptide is also described. Furthermore, diagnostic a isolation of the polynucleotides and polypeptides.